

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION II
Indianapolis, Indiana 46278
“DRAFT”
FIRST AMENDMENT
TO THE
APRIL 1987 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
WARREN COUNTY, INDIANA

MARCH 2006

This amendment results from digitizing the Warren County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 1

Page 10, Soil Correlation – Add the following map unit:

Field symbols	Field map unit name	Publication symbol	Approved map unit name
W	Water	W	Water
Water	Water	W	Water

Page 17, Conventional and Special Symbol Legend - Replace the Conventional Symbols Legend dated 11/86, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

Feature	Name	Description
ESB	Escarpmnt, bedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpmnt, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed Earthy material is nonsoil or very shallow soil.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.

Feature	Name	Description
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 0.2 to 2 acres.
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sages, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 0.2 to 2 acres.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also used to denote surface openings to underground mines. Typically 0.2 to 2 acres.
SLP	Short, steep slope	Narrow soil area that are at least two slope classes steeper than the slope class of the surrounding map unit.
STN	Stony spot	A spot where 0.01 to 0.1 percent of the surface cover is rock fragments that are greater than 10 inches in diameter in areas where the surrounding soil has no surface stones. Typically 0.2 to 2 acres.
STV	Very stony spot	A spot where 0.1 to 3 percent of the surface cover is rock fragments that are greater than 10 inches in diameter where the surrounding soil has less than 0.01 percent of surface cover of stones. Typically 0.2 to 2 acres.
WET	Wet spot	A somewhat poorly to very poorly drained area that is at least two drainage classes wetter than the named soil in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

Label	Symbol ID	Name	Description
OVW	3	Overwash spot	Areas with overwash 10 to 40 inches thick over the original surface. Typically 0.2 to 2 acres.
WDP	18	Wet depression	A shallow, concave area within poorly or very poorly drained soils that ponds water for intermittent periods and is saturated for appreciably longer periods of time than the surrounding soil. Typically 0.2 to 2 acres.
VSE	40	Very severely eroded spot	An area where class 4 erosion exists. The original A, E, and upper B horizons have been lost to erosion. Most areas consist of an intricate pattern of U-shaped gullies. The original soil can only be identified in areas adjacent to these very severely eroded spots. Typically 0.2 to 2 acres.

UWT 44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.1 to 2 acres.
--------	--------------------	--

Page 14, Conversion Legend – Add the following:

<u>Field symbol</u>	<u>Publication symbol</u>
Water, W	W

Pages 19-20 – Classification of the Soils - Replace the Classification of the Soils table with the following:

Warren County, Indiana
Taxonomic Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Armiesburg variant--	Fine, mixed, superactive, mesic Fluventic Hapludolls
Barce-----	Fine-loamy, mixed, superactive, mesic Oxyaqueic Argiudolls
Beaucoup-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Beckville-----	Coarse-loamy, mixed, superactive, mesic Fluvaquentic Eutrudepts
Billett-----	Coarse-loamy, mixed, superactive, mesic Mollie Hapludalfs
Blount-----	Fine, illitic, mesic Aeric Epiaqualfs
*Boyer-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Brenton-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Cadiz-----	Fine-silty, mixed, superactive, mesic Oxyaqueic Hapludalfs
Camden-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Carmi-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludolls
Chatterton-----	Sandy, mixed, mesic Fluventic Hapludolls
Comfrey-----	Fine-loamy, mixed, superactive, mesic Cumulic Endoaquolls
Corwin-----	Fine-loamy, mixed, active, mesic Oxyaqueic Argiudolls
Cyclone-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Drummer-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Du Page-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Eldean-----	Fine, mixed, superactive, mesic Typic Hapludalfs
Elliott-----	Fine, illitic, mesic Aquic Argiudolls
*Elston-----	Coarse-loamy, mixed, active, mesic Mollie Hapludalfs
Gilboa-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Glenhall-----	Fine-loamy, mixed, active, mesic Mollie Oxyaqueic Hapludalfs
Gosport-----	Fine, illitic, mesic Oxyaqueic Dystrudepts
Hennepin-----	Fine-loamy, mixed, active, mesic Typic Eutrudepts
High Gap-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
High Gap variant----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Houghton-----	Eutic, mesic Typic Haplosaprists
*Iona-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Ipava-----	Fine, smectitic, mesic Aquic Argiudolls
*Jules-----	Fine-silty, mixed, superactive, calcareous, mesic Typic Udifluvents
La Hogue-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Lafayette-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Landes-----	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Markham-----	Fine, illitic, mesic Mollie Oxyaqueic Hapludalfs
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs

Taxonomic Classification of the Soils--Continued

Soil name	Family or higher taxonomic class
Miami-----	Fine-loamy, mixed, active, mesic Oxyaqueic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Millford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Millbrook-----	Fine-silty, mixed, superactive, mesic Udollic Endoaquolls
*Montmorenci-----	Fine-loamy, mixed, active, mesic Mollie Oxyaqueic Hapludalfs
Morley-----	Fine, illitic, mesic Oxyaqueic Hapludalfs
Moundhaven-----	Sandy, mixed, mesic Typic Udisfluvents
Mudavia-----	Clayey-skeletal, mixed, superactive, mesic Chromic Vertic Hapludalfs
Ockley-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Ormas-----	Loamy, mixed, active, mesic Arenic Hapludalfs
Oshtemo-----	Coarse-loamy, mixed, active, mesic Typic Hapludalfs
Peotone-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Frankeshaw variant--	Loamy-skeletal, mixed, active, calcareous, mesic Typic Udisfluvents
Proctor-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Ragsdale-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Kainsville-----	Fine-loamy, mixed, active, mesic Oxyaqueic Hapludalfs
Reesville-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Rockfield-----	Fine-silty, mixed, superactive, mesic Oxyaqueic Hapludalfs
Rodman-----	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rush-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sable-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Shadeland variant----	Fine, mixed, active, mesic Aeric Endoaquolls
Starks-----	Fine-silty, mixed, superactive, mesic Aeric Endoaquolls
Stonelick-----	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udisfluvents
Strawn-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Symerton-----	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Tuscola-----	Fine-loamy, mixed, active, mesic Oxyaqueic Hapludalfs
Varna-----	Fine, illitic, mesic Oxyaqueic Argiudolls
Wakeland variant----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Wallkill variant-----	Fine, mixed, superactive, mesic Cumulic Endoaquolls
Warners variant-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
*Washtenaw-----	Fine-silty, mixed, active, nonacid, mesic Aeric Fluvaquents
Waupecan-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Weikert variant-----	Coarse-loamy, mixed, active, mesic Dystric Eutrudepts
Williamsport-----	Fine, mixed, active, mesic Aquic Argiudolls
*Williamstown-----	Fine-loamy, mixed, active, mesic Oxyaqueic Hapludalfs

Approval Signatures

TRAVIS NEELY
State Soil Scientist/MLRA Leader
Indianapolis, Indiana

Date

JANE E. HARDISTY
State Conservationist
Indianapolis, Indiana

Date